

CLARK  
LADNER

FORTENBAUGH & YOUNG

ORIGINAL  
(Red)



SEMS DocID

2243966

ATTORNEYS AT LAW

32nd Floor □ 1818 Market Street □ Philadelphia, PA 19103 □ (215) 241-1800 □ Cable: CLARKLAD □ Telex: 83-1462 □ Telecopier: (215) 241-1857

Jeffrey A. Smith  
(215) 241-1895

April 29, 1988

NEW JERSEY OFFICE  
One Centennial Square  
Haddonfield, NJ 08033  
(609) 429-5351

Hand Delivered

Mr. Lawrence Falkin  
United States Environmental  
Protection Agency  
Region III  
CERCLA Removal Enforcement Section  
(3HW14)  
841 Chestnut Building, 6th Fl.  
Philadelphia, PA 19107

Re: Metro Container Corporation Site  
Your Reference: 3HW14

Dear Mr. Falkin:

I represent Reit Lubricants in connection with the above-captioned matter. Since our conversation of ten days ago, in which you granted me an extension until April 29, 1988 to respond to your letter, I have met with my client and assembled all documents which are responsive to your request. I am enclosing copies of these documents herewith for your consideration and review.

As you will note, the documents fall into two categories. First, I have enclosed a series of invoices dating from September, 1986 through September, 1987. These invoices reflect the quantity of drums shipped from Metro Container Corp. to Reit Lubricants. Reit then used these drums for distributing product which Reit purchased from suppliers such as Shell and Mobil Oil and which was sold, without alteration, to Reit's customers. Reit also picked up the drums from customers when they were empty and transported them to Reit's facility, where they were picked up by Metro for return to the Metro site.

ORIGINAL  
(Red)

Mr. Lawrence Falkin  
April 29, 1988  
Page Two

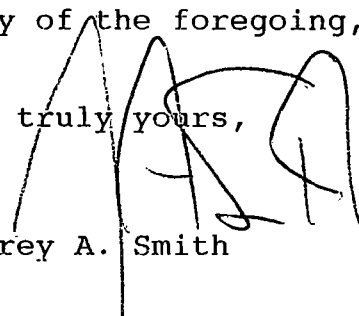
As you can see from the January 7, 1988 memorandum to all employees from Mr. Keyser, Reit only accepted return drums from its customers once they had passed strict tests for integrity and contents. Reit imposed these conditions on customer returns because of the expense to Reit of a drum refused by Metro for being damaged or partially full. Reit employees scrupulously abided by the criteria set forth in Mr. Keyser's memo.

The second category of documents I am enclosing are the Material Safety Data Sheets for all of the products which Reit ever sold in drums provided by or returned to Metro. As you can see, these products consisted of various grades of hydraulic oil, several grades of engine oil, and several types of lubricant. The MSDS' are self-explanatory as to the chemical composition and other characteristics of these drummed products. At no time did Reit put anything else other than products described on these MSDS sheets in Metro drums. At no time did Reit alter or mix the described products in any way before sale to the customer.

Finally, I am also enclosing correspondence from Wilmington Trust Company concerning that institution's security interest in the accounts receivable of Metro Container Corporation. I am continuing my search for any insurance coverage which may be applicable. I will forward copies of any policies which I believe are relevant to you.

If you have any questions about any of the foregoing, please contact me directly.

Very truly yours,

  
Jeffrey A. Smith

JAS/jc  
Enclosures  
cc: Mr. R.P. Keyser

\* \* \* M E M O R A N D U M \* \* \*

100-1  
17-1-100  
ORIGINAL  
(Red)

TO: All Employees  
FROM: Reit Lubricants Co. - R.P.Keyser  
DATE: January 7, 1988  
Subject: Acceptable Drum Return.

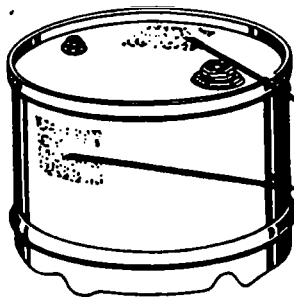
Once a year we will continue to remind all personnel that we will not accept any drums for return that are damaged or fit any disqualifying item on the attached explanation.

Everyone is to sign a memo as a receipt.

If customers complain, please have them call the office for an explanation.

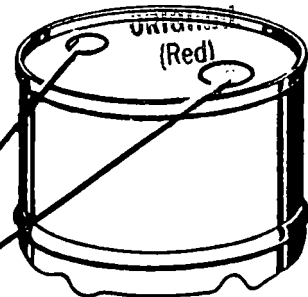
Encl.

# Disqualifying Conditions

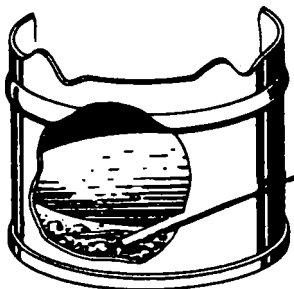


- A Mobil drum where a deposit stencil is not visible, or where the stencil reads "No deposit — Not returnable for credit".

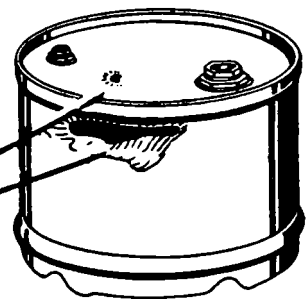
Any drum from another company.



- Plug or plugs missing.



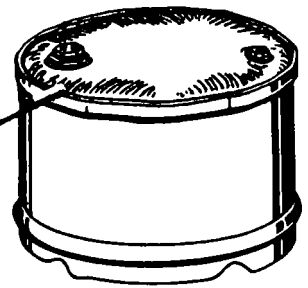
- Contains solids, trash or more than 1 inch of liquid.



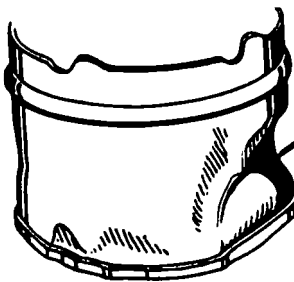
- Hole or gash in head, bottom or body.



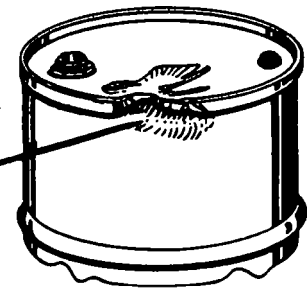
- Flange cracked or threads stripped or weld broken.



- Bulged head or bottom that distorts flange or chime.



- Deep, sharp crease in head, bottom or body.



- Chime with deep, sharp crease or break.



ORIGINAL  
(Red)

Commercial Loan Division

Personal Direct Dial

302 651 1575

December 1, 1987

Reit Fuel Oil Co.  
1614 Old York Road  
Abington, PA 19001

Attn: Accounts Payable

RE: Metro Container Corporation  
or Metro Enterprise Container Corporation

Dear Sir or Madam:

This is to advise you that Wilmington Trust Company holds a perfected, first security interest in all accounts receivable of the above entities to secure certain loans made by Wilmington Trust Company.

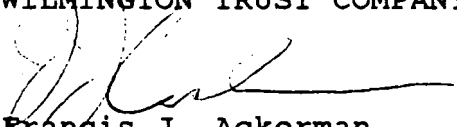
Please be advised that Wilmington Trust Company has exercised its rights upon default under the Uniform Commercial Code to collect the accounts receivable of Metro Container Corporation and Metro Enterprise Container Corporation directly. NOTICE IS HEREBY GIVEN that all payments by you to Metro Container Corporation and Metro Enterprise Container Corporation MUST BE sent directly to:

Wilmington Trust Company  
Rodney Square North  
Wilmington, DE 19890  
Attn: Francis J. Ackerman

Your failure to comply with this notice may subject you to liability.

Very truly yours,

WILMINGTON TRUST COMPANY



Francis J. Ackerman  
Vice President

FJA/lmh

# METRO CONTAINER CORP.

P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

# INVOICE

2589

ORIGINAL  
(Red)

(215) 485-6100

TO:

Reit Lubricants  
899 Mearns Road  
Warminster PA 18947

SALESPERSON	DATE OF INVOICE
	9/28/87
SHIP TO	

ACCOUNT NO.

200750

DATE SHIPPED

9/28/87

SHIPPED VIA

Our Truck

COL

P.P.

F.O.B. POINT

TERMS

N 10 Days

YOUR ORDER NUMBER

> QUANTITY

DESCRIPTION

UNIT PRICE

AMOUNT

127

320

55 Gallon HF Drums

\$6.50

\$825.50

8

320

55 Gallon HF Drums

N/C

N/C

83

310

55 Gallon HF Drums

12.00

996.00

ACC'T. CHARGE 230-015-03

ORDER NO. \_\_\_\_\_

OCT 13 1987

PRICES O.K.

EXTENS. O.K.

Batch # 306

OCT 22 1987

Due Date \_\_\_\_\_

OCT 3

ENTERED  
10/1/87

TOTAL

\$1821.50

ORIGINAL

Thank You

REMITTANCE VOUCHER

METR1

MO DAY YEAR  
10 23 87

185087

INVOICE NO.	AMOUNT	DISCOUNT	INVOICE NO.	AMOUNT	DISCOUNT
2589	1,821.50				
ORIGINAL (Red)					
ALGER LUBRICANTS DIVISION					
GROSS AMOUNT		1,821.50	TOTAL DISCOUNT		
			CHECK AMOUNT		1,821.50

REIT FUEL OIL CO.  
1614 OLD YORK ROAD  
ABINGTON, PA. 19001

DATE  
MO DAY YEAR  
10 23 87

CHECK NO.  
185087

AMOUNT  
\*\*\*\*\*\$1,821.50

THE SUM OF: \$1,821 DOLLARS 50 CENTS

CONTINENTAL BANK  
NORRISTOWN, PA  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

PAY TO: METRO CONTAINER CORP  
P. O. BOX A  
SECOND & PRICE STS.  
TRAINER, PA. 19016

NOT NEGOTIABLE

⑈185087⑈ ⑆031301532⑆ ⑆0111082⑆5⑈

P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

TO:

# INVOICE

ORIGINAL  
(Red)

SALESPERSON	DATE OF INVOICE 9/1/87
SHIP TO	

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	P.P.	F.O.B. POINT	TERMS	YOUR ORDER NUMBER
200750 QUANTITY	9/1/87	Our Truck				N 10 Days	
			DESCRIPTION				
70	320	55 Gallon HF Drums				Repainted	
							UNIT PRICE
							N/C
15	320	55 Gallon HF Drums					\$6.50
							N/C
							\$97.50
ACCT. CHARGE <u>220-015-03</u>							
ORDER NO. _____							
Blue/White							
Batch # <u>256</u>							
SEP 18 1987							
PRICES O.K. <u>[Signature]</u>							
EXTENS. O.K. <u>[Signature]</u>							
<b>ENTERED</b> <u>9/18/87</u> <u>[Signature]</u>							
							SEP 23 1987
							TOTAL
							\$97.50
Thank You							
ORIGINAL							



REMITTANCE VOUCHER

METR1			MO 09 DAY 25 YEAR 87			183687		
INVOICE NO.	AMOUNT	DISCOUNT	INVOICE NO.	AMOUNT	DISCOUNT	ORIGINAL (Red)		
2474	97.50							
ALGER LUBRICANTS DIVISION								
GROSS AMOUNT		97.50	TOTAL DISCOUNT			CHECK AMOUNT		97.50

REIT FUEL OIL CO.  
1614 OLD YORK ROAD  
ABINGTON, PA. 19001

DATE		
MO 09	DAY 25	YEAR 87

CHECK NO.
183687

AMOUNT
*****\$97.50

THE SUM OF: \$97 DOLLARS 50 CENTS

PAY TO:

METRO CONTAINER CORP.  
P. O. BOX A  
SECOND & PRICE STS.  
TRAINER, PA. 19016

NOT NEGOTIABLE

CONTINENTAL BANK  
NORRISTOWN, PA  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

⑈183687⑈ ⑆031301532⑆ ⑆01⑈1⑈082⑈5⑈

# UNIVERSAL CONTAINER CORPORATION

## STEEL DRUM DIVISION

2nd & PRICE STREET

TRAINER, PENNSYLVANIA 19013

215-MA 7-7288

215-494-8200

ORIGINAL  
(Red)

CREDIT  
TO

REIT L:UBRICANTS

899 Mearns Rd

Warminster PA 18974

REASON FOR CREDIT:

We credit your account as follows:

CUSTOMER'S ORDER NO.	SALESMAN	TERMS	ORIGINAL INVOICE NO.	DATE	
200750			2022	5/29/87	
QUANTITY	DESCRIPTION OF CREDITED ITEMS			PRICE	AMOUNT
210	320 55 gallon HF Drums			\$0.50	\$105.00
	Correct pricing error				
	132 39				
Batch #					
JUN 11 1987					
Due Date					
	ACCT. CHARGE				
	ORDER NO.				
	JUN 5 1987				
	PRICES O. K.				
	EXTENS. O. K.				
	22001500 <del>14512502</del>			\$105.00	
	PA 181776				

CREDIT MEMO

# METRO CONTAINER CORP.

P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

(215) 485-6100

TO:

Reit Lubricants  
899 Mearns Street  
Warminster PA 18974

# INVOICE

2430 (Red)

SALESPERSON	DATE OF INVOICE
	8/21/87
SHIP TO	

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	P.P.	F.O.B. POINT
-------------	--------------	-------------	-----	------	--------------

200750

8/21/87

Our Truck

DESCRIPTION

QUANTITY

92

320

55 Gallon HF Drums

144

310

55 Gallon HF Drums

Batch #

SEP 8 1987

Due Date



80--Blue and Yellow  
80--Red and Yellow  
76--Mobil Red

TERMS

N 10 Days

YOUR ORDER NUMBER

A 0219

UNIT PRICE

AMOUNT

\$6.50

\$598.00

12.00

1728.00

ACCT. CHARGE

14513503

ORDER NO.

AUG 28 1987

PRICES O. K.

EXTENS. O. K.

TOTAL

\$2326.00

ORIGINAL

Thank You

REMITTANCE VOUCHER

INVOICE NO.		AMOUNT	DISCOUNT	INVOICE NO.		AMOUNT	DISCOUNT
2439		2,326.00					
ALGER LUBRICANTS DIVISION							
GROSS AMOUNT		2,326.00	TOTAL DISCOUNT			CHECK AMOUNT	2,326.00

METR1 09 10 87

182826

ORIGINAL  
(Red)

REIT FUEL OIL CO.  
1614 OLD YORK ROAD  
ABINGTON, PA. 19001

DATE		
MO	DAY	YEAR
09	10	87

CHECK NO.
182826

AMOUNT
*****\$2,326.00

THE SUM OF: \$2,326 DOLLARS 00 CENTS

CONTINENTAL BANK  
NORRISTOWN, PA  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

PAY TO: METRO CONTAINER CORP.  
P. O. BOX A  
SECOND & PRICE STS.  
TRAINER, PA. 19016

NOT NEGOTIABLE

⑈ 182826 ⑈ > ⑆031301532⑆ ⑈01⑈ ⑈082⑈5⑈

# METRO CONTAINER CORP.

P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

(215) 485-6100

TO:

REIT FUEL OIL

~~1614 OLD YORK ROAD~~  
~~ABINGTON, PA 19001~~

*899 Meers Rd.*  
*Swarminstu*

# INVOICE

Invoice No. 2022

ORIGINAL  
(Red)

SALESPERSON	DATE OF INVOICE 5/22/87
SHIP TO REIT FUEL OIL 1614 OLD YORK ROAD ABINGTON, PA 19001	

ACCOUNT NO.

DATE SHIPPED

SHIPPED VIA

COL

PP

F.O.B. POINT

TERMS

YOUR ORDER NUMBER

200750

5/22/87 OUR TRUCK

N 10 DAYS

A0108

> QUANTITY

DESCRIPTION

UNIT PRICE

AMOUNT

210

320  
55 GALLON HF DRUMS  
100 RED, 50 BLUE/WHITE, 50 RED/WHITE

7.00

1,470.

ACC'T. CHARGE

*14513503*

ORDER NO.

MAY 29 1987

PRICES O. K.

EXTENS. O. K.

Batch # *30*

JUN 9 1987

ENTERED  
MAY 29 1987

Thank You

TOTAL

\$1,470.

ORIGINAL

6923

Aug 21/19  
(Red)

TO Container  
Metrol (Crunk)  
ADDRESS \_\_\_\_\_  
CITY 485-6100

SHIP TO Rest Fibrecoats  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_

FOR		REQ. NO.	HOW SHIP	DATE REQUIRED	TERMS	DATE
QUANTITY		PLEASE SUPPLY ITEMS LISTED BELOW				
ORDERED	RECEIVED					UNIT
1	50	Blue & White Drums				
2	50	Red & Yellow Drums				
3	50	Mobil Red.				
4	228					
5		pick up trailer				
6		del Fri 8/21 or Mon 8/24				
7						

DISPOSITION OF MATERIAL	

RECEIVING CLERK \_\_\_\_\_  
PURCHASING AGENT \_\_\_\_\_  
RECEIVING DEPT. COPY

REDIFORM 1S 144  
POLY PAK (50 SETS) 1P 144

carbonless

# REMITTANCE VOUCHER

INVOICE NO.			AMOUNT			DISCOUNT			INVOICE NO.			AMOUNT			DISCOUNT		
															ORIGINAL (Red)		
GROSS AMOUNT						TOTAL DISCOUNT						CHECK AMOUNT					

60-153  
313

DATE		
MO	DAY	YEAR

CHECK NO.

AMOUNT

THE SUM OF:

CONTINENTAL BANK  
NORRISTOWN, PA  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

PAY  
TO:

NOT NEGOTIABLE

01221950-00310065100: 00100020050

Thank You EXTENSION



## UNIVERSAL CONTAINER CORPORATION

## STEEL DRUM DIVISION

ORIGINAL  
(Red)

2nd &amp; PRICE STREET

TRAINER, PENNSYLVANIA 19013

215-MA 7-7288

215-494-8200

CREDIT  
TO


Reit L:ubricants

899 Mearns Road

Warminster PA 18974

REASON FOR CREDIT:

We credit your account as follows:

CUSTOMER'S ORDER NO. 200750	SALESMAN	TERMS	ORIGINAL INVOICE NO.	DATE 4/20/87		
QUANTITY	DESCRIPTION OF CREDITED ITEMS			PRICE	AMOUNT	
54	320	55 Gallon HF Drums			\$6.50	\$351.00
Batch # <u>618</u>		ACCT. CHARGE <u>14513503</u>			<del>351.00</del>	
APR 28 1987		ORDER NO. _____				
Due Date _____		APR 23 1987				
		PRICES O.K. <u>St. Louis</u>				
		EXTENS. O.K. <u>RC</u>				
						

CREDIT MEMO

# REMITTANCE VOUCHER

INVOICE NO.	AMOUNT	DISCOUNT	INVOICE NO.	AMOUNT	DISCOUNT
2108	351.00		A 0074	1,534.00	ORIGINAL (Red)
GROSS AMOUNT		TOTAL DISCOUNT		CHECK AMOUNT	

REIT FUEL OIL CO.  
1614 OLD FORD ROAD  
ABINGTON, PA. 19001

DATE		
MO	DAY	YEAR
04	14	81

CHECK NO.
174594

AMOUNT
1,885.00

THE SUM OF: \$1,885 DOLLARS AND 00 CENTS

CONTINENTAL BANK  
NORRISTOWN, PA  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

PAY TO: RETRO CONTAINER CORP.  
P. O. BOX 4  
SECOND & PRILE STS.  
PHILADELPHIA, PA. 19107

NOT NEGOTIABLE

⑈174594⑈⑈031301532⑈⑈01⑈⑈082⑈⑈5⑈

**METRO CONTAINER CORP.**  
P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

# INVOICE

1638

ORIGINAL  
(Red)

(215) 485-6100

Reit Services  
899 Mearns St  
Warminster PA 18974

SALESPERSON	DATE OF INVOICE 2/27/87
SHIP TO	

COUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	PP	F.O.B. POINT	TERMS	TOTAL ORDER DOLLARS	
00750	2/27/87	Our Truck				N 10 Days	A 0030	
QUANTITY	DESCRIPTION						UNIT PRICE	AMOUNT
193	320	55 Gallon HF Drums				ACC'T. CHARGE <u>14513503</u>	\$6.50	\$1254.50
42	320	55 Gallon HF Drums				ORDER NO. _____	N/C	N/C
Painted:		100--Mobil Red 100--Blue & White 25--Red & White 10--Green & White				MAR 13 1987 PRICES O.K. <u>[Signature]</u> EXTENS. O.K. <u>[Signature]</u> Batch # <u>547</u> MAR 25 1987 Due Date _____ ENTERED E 3/13 PM		
							TOTAL	\$1254.50

Thank you

Thank You

ORIGINAL

207 3/10/87 + 40 in their inventory  
Jockey, etc

[illegible]

DATE		
MO	DAY	YEAR
11	24	2001

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

THE SUM OF: 11,114 Dollars & 00/100

**PAY  
TO:**

RECEIVED CONTINENTAL CORP  
P. O. BOX A  
MEMPHIS 1, TENNESSEE  
75-1981-74 10-11-67

CONTINENTAL BANK  
NORRISTOWN, PA  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

NOT NEGOTIABLE

0017283 100313015321 00101 100282 570

# METRO CONTAINER CORP.

P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

(215) 485-6100

# INVOICE

Invoice No. 1564

ORIGINAL  
(Red)

TO:

REIT FUEL OIL

1814 OLD FORK ROAD  
ABINGTON, PA 19001

SALESPERSON	DATE OF INVOICE 2/11/87
SHIP TO REIT FUEL OIL 1814 OLD FORK ROAD ABINGTON, PA 19001	

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	P.P.	F.O.B. POINT	TERMS	YOUR ORDER NUMBER	
200750	2/11/87	OUR TRUCK				0/10		
> QUANTITY	DESCRIPTION						UNIT PRICE	AMOUNT
235	320 55 GALLON HF DRUMS 117 BRIGHT RED & YELLOW & 118 SUN BLUE						7.00	1,645
ACCT. CHARGE <u>14513503</u>							Batch # <u>486</u>	
ORDER NO. _____							FEB 27 1987	
FEB 20 1987							Due Date <u>3/8</u>	
PRICES O. K. <u>[Signature]</u>							ENTERED <u>270</u>	
EXTENS. O. K. <u>[Signature]</u>								
TOTAL							\$1,645	

Thank You

ORIGINAL

Thank You

REMITTANCE VOUCHER

INVOICE NO.	AMOUNT	DISCOUNT	INVOICE NO.	AMOUNT	DISCOUNT
1564	1,645.00			1,645.00	
GROSS AMOUNT		TOTAL DISCOUNT		CHECK AMOUNT	
1,645.00				1,645.00	

REIT FUEL OIL CO.  
1614 OLD YORK ROAD  
ABINGTON, PA. 19001

DATE		
MO	DAY	YEAR
03	09	87

CHECK NO.
171766

AMOUNT
***\$1,645.00

THE SUM OF: \$1,645 DOLLARS 00 CENTS

PAY TO: METRO CONTAINER CORP.  
P. O. BOX A  
SECOND & PRICE STS.  
TREASURY, PA. 15141

NOT NEGOTIABLE

CONTINENTAL BANK  
NORRISTOWN, PA  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

⑈171766⑈> ⑆031301532⑆ ⑈0111082⑈5⑈

**METRO CONTAINER CORP.**  
P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

**INVOICE** ORIGINAL (Red)

Invoice No. 1477

**(215) 485-6100**

TO:

REIT FUEL OIL

1814 OLD YORK ROAD  
ABINGTON, PA 19001

SALESPERSON	DATE OF INVOICE 1/16/87
SHIP TO REIT 899 MAIN STREET WARMINSTER PA WARMINSTER PA, PA 19001	

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	P.P.	F.O.B. POINT	TERMS	YOUR ORDER NUMBER	
00750	1/16/87	OUR TRUCK				NET		
> QUANTITY			DESCRIPTION				UNIT PRICE	AMOUNT
100			55 GALLON HF DRUMS 320 PAINTED <del>ESSO</del> RED AND YELLOW <i>Shell</i>				7.00	700.0
ACC'T. CHARGE <u>14513503</u>								
ORDER NO. _____								
JAN 27 1987								
PRICES O.K. <i>[Signature]</i>								
EXTENS. O.K. <i>[Signature]</i>								
Batch # <u>434</u>								
JAN 29 1987								
Due Date <u>2/10</u> <i>1/30</i>								
<b>ENTERED</b> 1/27/87								
TOTAL								\$700.0

ORIGINAL

*Thank You*

REMITTANCE VOUCHER

INVOICE NO.	AMOUNT	DISCOUNT	INVOICE NO.	AMOUNT	DISCOUNT
					ORIGINAL (Red)
GROSS AMOUNT		TOTAL DISCOUNT		CHECK AMOUNT	

RENT FUEL CO.  
1514 OLD YORK ROAD  
ABINGTON, PA. 19001

DATE		
MO	DAY	YEAR
1	20	87

CHECK NO.
69817

AMOUNT
100.00

THE SUM OF:

ONE HUNDRED DOLLARS

PAY  
TO:

RENT FUEL CO. (FARMER)  
1514 OLD YORK ROAD  
ABINGTON, PA. 19001

NOT NEGOTIABLE

CONTINENTAL BANK  
NORRISTOWN, PA.  
PAYABLE THROUGH YORK BANK & TRUST COMPANY  
YORK, PA.

100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00



**METRO CONTAINER CORP.**P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

(215) 485-6100

TO:

Reit Fuel Oil Company  
1614 Old York Road  
Abington PA 19001**INVOICE**ORIGINAL  
(Red)

10957

SALESPERSON	DATE OF INVOICE 10-3-86
SHIP TO  Reit Fuel Oil Warminster PA	

ACCOUNT NO.

DATE SHIPPED

SHIPPED VIA

COL. P.P.

F.O.B. POINT

TERMS

YOUR ORDER NUMBER

200750

10-3-86

Your Truck

DESCRIPTION

Net

UNIT PRICE

AMOUNT

&gt; QUANTITY

222

310

55 Gallon HF Drum

Batch # 246

OCT 15 1986

Due Date 10/28

Painted: All Red

**RECEIVED**

OCT 09 1986

REIT FUEL OIL CO.

\$12.00

\$2664.00

145-136-03

ACCT. CHARGE

ORDER NO.

OCT 13 1986

PRICES O. K.

EXTENS. O. K.

TOTAL

\$2664.00

ORIGINAL

Thank You

MO	DAY	YEAR

ORIGINAL  
(Red)

DATE		
MO	DAY	YEAR
10	28	90

1952

— 100 —

**NOT NEGOTIABLE**

**PAY  
TO:**

RECEIVED  
FEB 10 1964  
FBI - NEW YORK

[illegible]

**METRO CONTAINER CORP.**

P.O. Box A  
Second & Price Streets  
TRAINER, PENNSYLVANIA 19016

(215) 485-6100

TO:

Reit Fuel Oil  
Alger Lubricating Inc  
1614 Old York Road  
Abington PA 19001

# INVOICE

ORIGINAL

10876

SALESPERSON	DATE OF INVOICE
	9-19-86
SHIP TO	
Alger Oil 15 Sylmar Road Nottingham PA 19562	

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	P.P.	F.O.B. POINT	TERMS	YOUR ORDER NUMBER	
200049	9-19-86	Our Truck				Net		
> QUANTITY	DESCRIPTION						UNIT PRICE	AMOUNT
264	310	55 Gallon HF Drums					\$12.00	\$3168.00
Painted: 120 Red & yellow							145-136-04	
144 Black & white							OCT. CHARGE _____	
RECEIVED # 213							ORDER NO. _____	
Batch # _____							SEP 24 1986	
SEP 24 1986							PRICES O. K. _____	
REIT FUEL OIL CO. OCT 1 1986							EXTENS. O. K. _____	
Due Date _____							TOTAL	
Thank You							\$3168.00	

ORIGINAL





# MATERIAL SAFETY DATA SHEET

MSDS NUMBER

60,050-4

PAGE 1

24 HOUR EMERGENCY ASSISTANCE		GENERAL MSDS ASSISTANCE	
SHELL: 713-473-9461 CHEMTREC: 800-424-9300		SHELL: 713-241-4819	
ACUTE HEALTH 1	FIRE 1	REACTIVITY 0	HAZARD RATING LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4
*For acute and chronic health effects refer to the discussion in Section III			
<b>BE SAFE</b> READ OUR PRODUCT SAFETY INFORMATION ... AND PASS IT ON IF PRODUCT LIABILITY LAW REQUIRES IT.			

<b>SECTION I</b>	
PRODUCT	SHELL TELLUS(R) OIL 32
CHEMICAL NAME	MIXTURE (SEE SEC. IIA)
CHEMICAL FAMILY	PETROLEUM HYDROCARBON: HYDRAULIC OIL
SHELL CODE	65208

SECTION II-A		PRODUCT/INGREDIENT	
NO.	COMPOSITION	CAS NUMBER	PERCENT
P	SHELL TELLUS OIL 32	MIXTURE	100
1	SOLVENT REFINED, HYDROTREATED HEAVY, PARAFFINIC DISTILLATE	64742-54-7	97-98
2	MINOR ADDITIVES	MIXTURE	<3

SECTION II-B		ACUTE TOXICITY DATA	
NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
P	NOT AVAILABLE		

BASED UPON DATA AVAILABLE TO SHELL, COMPONENT 2 IN THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (29 CFR 1910.1200).

SECTION III		HEALTH INFORMATION	
THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).			

## EYE CONTACT

BASED ON COMPONENT INFORMATION, PRODUCT IS PRESUMED TO BE PRACTICALLY NON-IRRITATING TO THE EYES.

## SKIN CONTACT

BASED ON COMPONENT INFORMATION, PRODUCT IS PRESUMED TO BE PRACTICALLY NON-IRRITATING TO THE SKIN. PROLONGED AND REPEATED CONTACT MAY RESULT IN SKIN DISORDERS SUCH AS DERMATITIS, OIL ACNE OR FOLLICULITIS. ACCIDENTAL RELEASE UNDER HIGH PRESSURE APPLICATIONS MAY RESULT IN INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS.

## INHALATION

THE INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST MAY CAUSE A MILD IRRITATION OF THE MUCOUS MEMBRANES OF THE UPPER RESPIRATORY TRACT.

## INGESTION

BASED ON COMPONENT INFORMATION, PRODUCT IS NO MORE THAN SLIGHTLY TOXIC IF SWALLOWED.

PRODUCT NAME: SHELL TELLUS(R) OIL 32

MSDS 80,050-4  
PAGE 2**SIGNS AND SYMPTOMS**

IRRITATION AS NOTED ABOVE. NECROSIS MAY BE EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING HIGH PRESSURE INJECTION.

**AGGRAVATED MEDICAL CONDITIONS**

PREEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

**SECTION IV****OCCUPATIONAL EXPOSURE LIMITS**

NO.	PEL/TWA	OSHA PEL/CEILING	TLV/TWA	ACGIH TLV/STEL	OTHER
P	*5 MG/M3	NONE	*5 MG/M3	*10 MG/M3	NONE

\*OIL MIST, MINERAL

**SECTION V****EMERGENCY AND FIRST AID PROCEDURES****EYE CONTACT**

FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**SKIN CONTACT**

REMOVE CONTAMINATED CLOTHING/SHOES WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE; DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

**INHALATION**

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

**INGESTION**

DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

**NOTE TO PHYSICIAN**

IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, I.E., MOST OILS AND GREASES.

**SECTION VI****SUPPLEMENTAL HEALTH INFORMATION**

NONE IDENTIFIED.

**SECTION VII****PHYSICAL DATA**

BOILING POINT: NOT AVAILABLE (DEG F)	SPECIFIC GRAVITY: 0.8718 (H2O=1)	VAPOR PRESSURE: NOT AVAILABLE (MM HG)
MELTING POINT: -25 (POUR POINT) (DEG F)	SOLUBILITY: NEGLIGIBLE (IN WATER)	VAPOR DENSITY: NOT AVAILABLE (AIR=1)
EVAPORATION RATE (N-BUTYL ACETATE = 1): NOT AVAILABLE		VIS. CS = 30-32 ~ 40 DEG C

APPEARANCE AND ODOR: CREAM WHITE LIQUID. SLIGHT HYDROCARBON ODOR.

ORIGINAL  
(Red)

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:  
380 DEG F. (PMCC)

FLAMMABLE LIMITS /% VOLUME IN AIR  
LOWER: N/AV UPPER: N/AV

EXTINGUISHING MEDIA

USE WATER FOG, FOAM, DRY CHEMICAL OR CO<sub>2</sub>. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

MATERIALS WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

SECTION IX

REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID:

AVOID HEAT, OPEN FLAMES, AND OXIDIZING MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS

THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

PROTECTIVE CLOTHING

WEAR CHEMICAL RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT. NO SPECIAL EYE PROTECTION IS ROUTINELY NECESSARY. TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE GLOVES.

SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. \*\*\* LARGE SPILLS \*\*\* WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. \*\*\* SMALL SPILLS \*\*\* TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

WASTE DISPOSAL

PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

ENVIRONMENTAL HAZARDS

THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING (A) SURFACE WATERS OR (B) ANY WATERCOURSES OR SEWERS ENTERING/LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

-----  
SECTION XII SPECIAL PRECAUTIONS  
-----

ORIGINAL  
(Red)

MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

-----  
SECTION XIII TRANSPORTATION REQUIREMENTS  
-----

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS

-----  
SECTION XIV OTHER REGULATORY CONTROLS  
-----

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES

-----  
THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.  
-----

DATE PREPARED: AUGUST 29, 1985  
-----

-----  
JOHN P. SEPESE  
-----

BE SAFE

READ OUR PRODUCT  
SAFETY INFORMATION ...AND PASS IT ON  
(PRODUCT LIABILITY LAW  
REQUIRES IT)

SHELL OIL COMPANY  
PRODUCT SAFETY AND COMPLIANCE  
P. O. BOX 4320  
HOUSTON, TX 77210



ORIGINAL  
(Red)

## MATERIAL SAFETY DATA SHEET

MSDS NUMBER

60,250-5

PAGE 1

97367 (4-85)

24 HOUR EMERGENCY ASSISTANCE			GENERAL MSDS ASSISTANCE		
SHELL: 713-473-9461 CHEMTREC: 800-424-9300			SHELL: 713-241-4819		
ACUTE HEALTH +	FIRE +	REACTIVITY +	HAZARD RATING		
1	1	0	LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4		
*For acute and chronic health effects refer to the discussion in Section III					



SECTION I		NAME
PRODUCT	SHELL TELLUS(R) OIL 46	
CHEMICAL NAME	MIXTURE (SEE SEC. IIA)	
CHEMICAL FAMILY	PETROLEUM HYDROCARBON; HYDRAULIC OIL	
SHELL CODE	65209	

SECTION II-A		PRODUCT/INGREDIENT	
NO.	COMPOSITION	CAS NUMBER	PERCENT
P	SHELL TELLUS OIL 46	MIXTURE	100
1	SOLVENT REFINED, HYDROTREATED HEAVY, PARAFFINIC DISTILLATE	64742-54-7	97-98
2	MINOR ADDITIVES	MIXTURE	<3

SECTION II-B		ACUTE TOXICITY DATA	
NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
P	NOT AVAILABLE		

BASED UPON DATA AVAILABLE TO SHELL, COMPONENT 2 IN THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (29 CFR 1910.1200).

SECTION III		HEALTH INFORMATION	
THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).			

**EYE CONTACT**  
BASED ON COMPONENT INFORMATION, PRODUCT IS PRESUMED TO BE PRACTICALLY NON-IRRITATING TO THE EYES.

**SKIN CONTACT**  
BASED ON COMPONENT INFORMATION, PRODUCT IS PRESUMED TO BE PRACTICALLY NON-IRRITATING TO THE SKIN. PROLONGED AND REPEATED CONTACT MAY RESULT IN SKIN DISORDERS SUCH AS DERMATITIS, OIL ACNE OR FOLLICULITIS. ACCIDENTAL RELEASE UNDER HIGH PRESSURE APPLICATIONS MAY RESULT IN INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS.

**INHALATION**  
THE INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST MAY CAUSE A MILD IRRITATION OF THE MUCOUS MEMBRANES OF THE UPPER RESPIRATORY TRACT.

**INGESTION**  
BASED ON COMPONENT INFORMATION, PRODUCT IS NO MORE THAN SLIGHTLY TOXIC IF SWALLOWED.

PRODUCT NAME: SHELL TELLUS(R) OIL 48

MSDS 80,280-5  
PAGE 2 ORIGINAL  
(Red)

**SIGNS AND SYMPTOMS**

IRRITATION AS NOTED ABOVE. NECROSIS MAY BE EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING HIGH PRESSURE INJECTION.

**AGGRAVATED MEDICAL CONDITIONS**

PREEXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

-----  
**SECTION IV OCCUPATIONAL EXPOSURE LIMITS**  
-----

NO.	PEL/TWA	OSHA PEL/CEILING	TLV/TWA	ACGIH	TLV/STEL	OTHER
P	*5 MG/M3	NONE	*5 MG/M3		*10 MG/M3	NONE

\*OIL MIST, MINERAL

-----  
**SECTION V EMERGENCY AND FIRST AID PROCEDURES**  
-----

**EYE CONTACT**

FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**SKIN CONTACT**

REMOVE CONTAMINATED CLOTHING/SHOES WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE; DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

**INHALATION**

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

**INGESTION**

DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

**NOTE TO PHYSICIAN**

IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, I.E., MOST OILS AND GREASES.

-----  
**SECTION VI SUPPLEMENTAL HEALTH INFORMATION**  
-----

NONE IDENTIFIED.

-----  
**SECTION VII PHYSICAL DATA**  
-----

BOILING POINT: NOT AVAILABLE  
(DEG F)

SPECIFIC GRAVITY: 0.8762  
(H2O=1)

VAPOR PRESSURE: NOT AVAILABLE  
(MM HG)

MELTING POINT: -15 (POUR POINT)  
(DEG F)

SOLUBILITY: NEGLIGIBLE  
(IN WATER)

VAPOR DENSITY: NOT AVAILABLE  
(AIR=1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): NOT AVAILABLE

VIS. CS = 42-44 @  
40 DEG C

APPEARANCE AND ODOR: CREAM WHITE LIQUID. SLIGHT HYDROCARBON ODOR.

-----  
**SECTION VIII**

**FIRE AND EXPLOSION HAZARDS**  
-----

**FLASH POINT AND METHOD:**  
400 DEG F. (PMCC)

**FLAMMABLE LIMITS % VOLUME IN AIR**  
LOWER: N/AV UPPER: N/AV

**EXTINGUISHING MEDIA**

USE WATER FOG, FOAM, DRY CHEMICAL OR CO<sub>2</sub>. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS**

MATERIALS WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

-----  
**SECTION IX**

**REACTIVITY**  
-----

**STABILITY:** STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS AND MATERIALS TO AVOID:**

AVOID HEAT, OPEN FLAMES, AND OXIDIZING MATERIALS.

**HAZARDOUS DECOMPOSITION PRODUCTS**

THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

-----  
**SECTION X**

**EMPLOYEE PROTECTION**  
-----

**RESPIRATORY PROTECTION**

IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

**PROTECTIVE CLOTHING**

WEAR CHEMICAL RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT. NO SPECIAL EYE PROTECTION IS ROUTINELY NECESSARY. TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE GLOVES.

-----  
**SECTION XI**

**ENVIRONMENTAL PROTECTION**  
-----

**SPILL OR LEAK PROCEDURES**

MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. \*\*\* LARGE SPILLS \*\*\* WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. \*\*\* SMALL SPILLS \*\*\* TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

**WASTE DISPOSAL**

PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

**ENVIRONMENTAL HAZARDS**

THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING (A) SURFACE WATERS OR (B) ANY WATERCOURSES OR SEWERS ENTERING/LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

-----  
SECTION XII

SPECIAL PRECAUTIONS  
-----

MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

-----  
SECTION XIII

TRANSPORTATION REQUIREMENTS  
-----

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS

-----  
SECTION XIV

OTHER REGULATORY CONTROLS  
-----

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES

-----  
THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.  
-----

DATE PREPARED: AUGUST 29, 1985  
-----

BE SAFE

READ OUR PRODUCT  
SAFETY INFORMATION ...AND PASS IT ON  
(PRODUCT LIABILITY LAW  
REQUIRES IT)

-----  
JOHN P. SEPESI  
-----

SHELL OIL COMPANY  
PRODUCT SAFETY AND COMPLIANCE  
P. O. BOX 4320  
HOUSTON, TX 77210

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

ORIGINAL  
(Red)\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBIL HYDRAULIC OIL AW 68

## SUPPLIER:

MOBIL OIL CORP.

## CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

## USE OR DESCRIPTION:

HYDRAULIC OIL

## HEALTH EMERGENCY TELEPHONE:

(212) 883-4411

## TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

## \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 5.0 LIQUID

ODOR: MILD

PH: NA

VISCOSITY AT 100 F, SUS: 340.0

AT 40 C, CS: 65.0

VISCOSITY AT 210 F, SUS: 53.0

AT 100 C, CS: 8.0

FLASH POINT F(C): 400(204) (ASTM D-92)

MELTING POINT F(C): NA

POUR POINT F(C): -25(-32)

BOILING POINT F(C): &gt; 600(316)

RELATIVE DENSITY, 15/4 C: 0.876

SOLUBILITY IN WATER: NEGLIGIBLE

VAPOR PRESSURE-MM HG 20C: &lt; .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

## \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT	EXPOSURE LIMITS	SOURCES	
(APPROX)	MG/M3	PPM	(AND NOTES)

## HAZARDOUS INGREDIENTS:

NONE

## OTHER INGREDIENTS:

REFINED MINERAL OILS &gt;95

ADDITIVES AND/OR OTHER INGREDIENTS &lt; 5

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA

NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

## \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: NOT EXPECTED TO BE A PROBLEM.

## \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.

SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.

INHALATION: NOT EXPECTED TO BE A PROBLEM.

INGESTION: NOT EXPECTED TO BE A PROBLEM WHEN INGESTED. IF UNCOMFORTABLE SEEK MEDICAL ASSISTANCE.

## \*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

FLASH POINT F(C): 400(204) (ASTM D-92)

FLAMMABLE LIMITS. LEL: .6 UEL: 7.0

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

NFPA HAZARD ID: HEALTH: 0, FLAMMABILITY: 1, REACTIVITY: 0

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: EXTREME HEAT  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

ORIGINAL  
(Red)

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
NUMBER 800-424-8802. IN CASE OF ACCIDENT OR ROAD SPILL NOTIFY  
CHEMTREC (800) 424-9300.  
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT  
TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF  
AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH  
CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
CHARACTERISTICS AT TIME OF DISPOSAL.  
WASTE MANAGEMENT: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED,  
CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED  
INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RESOURCE  
CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS  
SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY OR CAN BE  
DISPOSED OF AT ANY GOVERNMENT APPROVED WASTE DISPOSAL FACILITY.  
USE OF THESE METHODS IS SUBJECT TO USER COMPLIANCE WITH APPLICABLE  
LAWS AND REGULATIONS AND CONSIDERATION OF PRODUCT CHARACTERISTICS  
AT TIME OF DISPOSAL.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.  
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---  
ORAL TOXICITY (RATS): NONTOXIC(ESTIMATED) ---BASED ON TESTING OF  
SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
DERMAL TOXICITY (RABBITS): NONTOXIC(ESTIMATED) ---BASED ON TESTING OF  
SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
THIS PRODUCT.  
EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
SKIN IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*

TSCA INVENTORY STATUS: ALL COMPONENTS REGISTERED.

D.O.T. SHIPPING NAME: NOT APPLICABLE

D.O.T. HAZARD CLASS: NOT APPLICABLE

US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.

RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR OPINION, IS NOT SPECIFICALLY LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR, PART 261D); DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT FORMULATED WITH THE METALS CITED IN THE EP TOXICITY TEST. HOWEVER, USED PRODUCT MAY BE REGULATED.

ORIGINAL  
(Red)

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.05 PCT)	7440-66-6	15

--- KEY TO LIST CITATIONS ---

1 = OSHA 2, 2 = ACGIH, 3 = IARC, 4 = NTP, 5 = NCI,  
6 = EPA CARC, 7 = NFPA 49, 8 = NFPA 325M, 9 = DOT HMT, 10 = CA RTK,  
11 = IL RTK, 12 = MA RTK, 13 = MN RTK, 14 = NJ RTK, 15 = MI 293,  
16 = FL RTK, 17 = PA RTK.

\*\*\*\*\*  
INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.  
\*\*\*\*\*

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLONS ROAD, FAIRFAX, VA 22037 (703) 849-3265  
\*\*\*\*\*

\*\*\*\*\* APPENDIX \*\*\*\*\*  
FOR MOBIL USE ONLY: (FILL NO: MTL2552C\*042) MHC: 0\* 0\* NA 0\* 0\* PPEC:  
A US86-202 APPROVE REVISED: 07/09/86

OIL CORPORATION MATERIAL SAFETY DATA BULLETIN ORIGINAL  
(Red)\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
HYDRAULIC OIL AW 46

## SUPPLIER:

MOBIL OIL CORP.

## HEALTH EMERGENCY TELEPHONE:

(212) 883-4411

## CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

## TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

## USE OR DESCRIPTION:

HYDRAULIC OIL

## \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 3.5 LIQUID

ODOR: MILD

PH: NA

VISCOSITY AT 100 F, SUS: 228.5

AT 40 C, CS: 45.7

VISCOSITY AT 210 F, SUS: 31.5

AT 100 C, CS: 6.3

FLASH POINT F(C): &gt;380(193) (ASTM D-92)

MELTING POINT F(C): NA

POUR POINT F(C): 0(-18)

BOILING POINT F(C): &gt; 600(316)

RELATIVE DENSITY, 15/4 C: 0.876

SOLUBILITY IN WATER: NEGLIGIBLE

VAPOR PRESSURE-MM HG 20C: &lt; .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

## \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT (APPROX)	EXPOSURE LIMITS MG/M3	SOURCES PPM (AND NOTES)
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## HAZARDOUS INGREDIENTS:

NONE

## OTHER INGREDIENTS:

REFINED MINERAL OILS &gt;95

ADDITIVES AND/OR OTHER INGREDIENTS &lt; 5

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA  
NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

## \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: NOT EXPECTED TO BE A PROBLEM.

## \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.

SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.

INHALATION: NOT EXPECTED TO BE A PROBLEM.

INGESTION: NOT EXPECTED TO BE A PROBLEM WHEN INGESTED. IF  
UNCOMFORTABLE SEEK MEDICAL ASSISTANCE.

## \*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

FLASH POINT F(C): &gt; 380(193) (ASTM D-92)

FLAMMABLE LIMITS. LEL: .6 UEL: 7.0

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER-FOG.

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED  
BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

NFPA HAZARD ID: HEALTH: 0, FLAMMABILITY: 1, REACTIVITY: 0



\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: EXTREME HEAT  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

ORIGINAL  
(Red)

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
NUMBER 800-424-8802.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT  
TREATED SANDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF  
AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH  
CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
CHARACTERISTICS AT TIME OF DISPOSAL.

WASTE MANAGEMENT: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED,  
CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED  
INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RESOURCE  
CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS  
SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY OR CAN BE  
DISPOSED OF AT ANY GOVERNMENT APPROVED WASTE DISPOSAL FACILITY.  
USE OF THESE METHODS IS SUBJECT TO USER COMPLIANCE WITH APPLICABLE  
LAWS AND REGULATIONS AND CONSIDERATION OF PRODUCT CHARACTERISTICS  
AT TIME OF DISPOSAL.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.  
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---

ORAL TOXICITY (RATS): NONTOXIC(ESTIMATED) ---BASED ON TESTING OF  
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): NONTOXIC(ESTIMATED) ---BASED ON TESTING OF  
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
THIS PRODUCT.

EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\* ORIGINAL  
TSCA INVENTORY STATUS: ALL COMPONENTS REGISTERED. (Red)  
D.O.T. SHIPPING NAME: NOT APPLICABLE  
D.O.T. HAZARD CLASS: NOT APPLICABLE  
US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE  
WITH OSHA CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.  
RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR OPINION, IS NOT  
SPECIFICALLY LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR,  
PART 261D); DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF  
IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT FORMULATED  
WITH THE METALS CITED IN THE EP TOXICITY TEST. HOWEVER, USED  
PRODUCT MAY BE REGULATED.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.05 PCT)	7440-66-6	15

--- KEY TO LIST CITATIONS ---

1 = OSHA Z,	2 = ACGIH,	3 = IARC,	4 = NTP,	5 = NCI,
6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = MI 293,
16 = FL RTK,	17 = PA RTK,			

\*\*\*\*\*  
INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT  
WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR  
PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT  
ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL  
WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE  
USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A  
RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING  
LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING  
PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.  
\*\*\*\*\*

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265  
\*\*\*\*\*

\*\*\*\*\* APPENDIX \*\*\*\*\*  
FOR USE ONLY: (FILL NO: MTL2552B\*\*\*0) MHC: 0\* 0\* NA 0\* 0\* PPEC:  
A US86-202 APPROVE REVISED: 07/08/86

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

ORIGINAL  
(Red)

## \*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*

MOBIL DELVAC 1300 SUPER

## SUPPLIER:

MOBIL OIL CORP.

## HEALTH EMERGENCY TELEPHONE:

(212) 883-4411

## CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

## TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

## USE OR DESCRIPTION:

LUBRICANT

## \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 8.0 LIQUID

ODOR: MILD

PH: NA

VISCOSITY AT 100 F, SUS: 520.0 AT 40 C, CS: 105.0

VISCOSITY AT 210 F, SUS: 75.0 AT 100 C, CS: 14.0

FLASH POINT F(C): &gt;395(202) (ASTM D-92)

MELTING POINT F(C): NA

POUR POINT F(C): -20(-29)

BOILING POINT F(C): &gt; 600(316)

RELATIVE DENSITY, 15/4 C: 0.89

SOLUBILITY IN WATER: NEGLIGIBLE

VAPOR PRESSURE-MM HG 20C: &lt; .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

## \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT	EXPOSURE LIMITS	SOURCES	
(APPROX)	MG/M3	PPM	(AND NOTES)

## HAZARDOUS INGREDIENTS:

NONE

## OTHER INGREDIENTS:

REFINED MINERAL OILS &gt;75

ADDITIVES AND/OR OTHER INGREDIENTS &lt;25

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA

NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

## \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: SLIGHT SKIN IRRITATION.

## \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.

SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.

INHALATION: NOT EXPECTED TO BE A PROBLEM.

INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2 LITER(PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*  
FLASH POINT F(C): > 395(202) (ASTM D-92)  
FLAMMABLE LIMITS. LEL: .6 UEL: 7.0  
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.  
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED  
BREATHING APPARATUS.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: EXTREME HEAT  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
NUMBER 800-424-8802.  
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT  
TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF  
AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH  
CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
CHARACTERISTICS AT TIME OF DISPOSAL.  
WASTE MANAGEMENT: DISSOLVE WASTE IN A SOLVENT AND DISPOSE BY SUPERVISED  
INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.  
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
HANDLING: NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---  
ORAL TOXICITY (RATS): LD50: > 5 G/KG SLIGHTLY TOXIC(ESTIMATED)  
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
DERMAL TOXICITY (RABBITS): LD50: > 2 G/KG SLIGHTLY TOXIC(ESTIMATED)  
---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
THIS PRODUCT.  
EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
SKIN IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR  
REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR  
THE COMPONENTS.

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*  
 TSCA INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
 EINECS INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
 THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
*** NO INGREDIENT CITATIONS ***		

--- KEY TO LIST CITATIONS ---

1 = OSHA,	2 = ACGIH,	3 = IARC,	4 = NTP,	5 = NCI,
6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = NJ SHM,
16 = FL RTK,	17 = PA RTK,			

\*\*\*\*\*  
 FOR MOBIL USE ONLY: (FILL NO: MTN54588D110) MHC: 1\* 1\* NA 0\* 1\* PPEC:  
 US84-093 APPROVE REVISED: 07/03/84

\*\*\*\*\*  
 PREPARED BY: MOBIL OIL CORPORATION  
 ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
 FOR FURTHER INFORMATION, CONTACT:  
 MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
 3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265

\*\*\*\*\*  
 INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT  
 WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR  
 PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT  
 ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL  
 WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
 MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE  
 USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A  
 RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING  
 LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING  
 PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.



440305

PAGE 1 OF 3

ORIGINAL  
(Red)

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBIL DELVAC SUPER

SUPPLIER: MOBIL OIL CORP. HEALTH EMERGENCY TELEPHONE:  
(212) 883-4411  
CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES TRANSPORT EMERGENCY TELEPHONE:  
(800) 424-9300 (CHEMTREC)  
USE OR DESCRIPTION: ENGINE OIL

## \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 5.5 LIQUID ODOR: MILD PH: NA  
VISCOSITY AT 100 F, SUS: 513.0 AT 40 C, CS: 98.0  
VISCOSITY AT 210 F, SUS: 75.0 AT 100 C, CS: 14.0  
FLASH POINT F(C): >390(199) (ASTM D-92)  
MELTING POINT F(C): NA POUR POINT F(C): -20(-29)  
BOILING POINT F(C): > 600(316)  
RELATIVE DENSITY, 15/4 C: 0.885 SOLUBILITY IN WATER: NEGLIGIBLE  
VAPOR PRESSURE-MM HG 20C: < .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

## \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

	WT PCT	EXPOSURE LIMITS	SOURCES
	(APPROX)	MG/M3	PPM (AND NOTES)
HAZARDOUS INGREDIENTS:			
NONE			

OTHER INGREDIENTS:  
REFINED MINERAL OILS >70  
ADDITIVES AND/OR OTHER INGREDIENTS. <30

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA  
NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

## \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: SLIGHT EYE IRRITATION. SLIGHT SKIN IRRITATION.

## \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.  
SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.  
INHALATION: NOT EXPECTED TO BE A PROBLEM.  
INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2 LITER(PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*  
FLASH POINT F(C): > 390(199) (ASTM D-92)  
FLAMMABLE LIMITS. LEL: .6 UEL: 7.0  
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.  
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED  
BREATHING APPARATUS.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: EXTREME HEAT  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
NUMBER 800-424-8802.  
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT  
TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF  
AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH  
CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
CHARACTERISTICS AT TIME OF DISPOSAL.  
WASTE MANAGEMENT: DISSOLVE WASTE IN A SOLVENT AND DISPOSE BY SUPERVISED  
INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
EYE PROTECTION: NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BE  
EMPLOYED.  
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
HANDLING: NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---  
ORAL TOXICITY (RATS): SLIGHTLY TOXIC(ESTIMATED) ---BASED ON TESTING OF  
SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
DERMAL TOXICITY (RABBITS): SLIGHTLY TOXIC(ESTIMATED) ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
THIS PRODUCT.  
EYE IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.  
SKIN IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR  
REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR  
THE COMPONENTS.

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*  
TSCA INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
EINECS INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
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\*\*\* NO INGREDIENT CITATIONS \*\*\*

--- KEY TO LIST CITATIONS ---

1 = OSHA,	2 = ACGIH,	3 = IARC,	4 = NTP,	5 = NCI,
6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = NJ SHH,
16 = FL RTK,	17 = PA RTK,			

\*\*\*\*\*  
FOR MOBIL USE ONLY: (FILL NO: MTN5438BD2\*0) MHC: 1\* 1\* NA 1\* 1\* PPEC:  
US84-180 APPROVE REVISED: 07/03/84

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265

\*\*\*\*\*  
INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT  
WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR  
PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT  
ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL  
WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE  
USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A  
RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING  
LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING  
PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.



MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

PHILPRIDE AW 46

REVISED: 02/04/87

\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
HYDREX AW 46

SUPPLIER:  
MOBIL OIL CORP.  
CHEMICAL NAMES AND SYNONYMS:  
PET. HYDROCARBONS AND ADDITIVES  
USE OR DESCRIPTION:  
HYDRAULIC OIL

HEALTH EMERGENCY TELEPHONE:  
(212) 883-4411  
TRANSPORT EMERGENCY TELEPHONE:  
(800) 424-9300 (CHEMTREC)  
PRODUCT TECHNICAL INFORMATION:  
(800) 662-4525

\*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 5.0 LIQUID  
VISCOSITY AT 100 F, SUS: 230.0  
VISCOSITY AT 210 F, SUS: 32.0  
FLASH POINT F(C): >380(193) (ASTM D-92)  
MELTING POINT F(C): NA  
BOILING POINT F(C): > 600(316)  
RELATIVE DENSITY, 15/4 C: 0.876  
VAPOR PRESSURE-MM HG 20C: < .1

ODOR: MILD  
AT 40 C, CS: 46.0  
AT 100 C, CS: 6.4  
POUR POINT F(C): 0(-18)  
SOLUBILITY IN WATER: NEGLIGIBLE

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

\*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

HAZARDOUS INGREDIENTS:	WT PCT (APPROX)	EXPOSURE LIMITS MG/M3 PPM	SOURCES (AND NOTES)
NONE			

OTHER INGREDIENTS:  
REFINED MINERAL OILS >95  
ADDITIVES AND/OR OTHER INGREDIENTS < 5

SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA, S=SUPPLIER  
NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

\*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---  
EFFECTS OF OVEREXPOSURE: SLIGHT SKIN IRRITATION.

\*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

--- FOR PRIMARY ROUTES OF ENTRY ---  
EYE CONTACT: FLUSH WITH WATER.  
SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.  
INHALATION: NOT EXPECTED TO BE A PROBLEM.  
INGESTION: NOT EXPECTED TO BE A PROBLEM WHEN INGESTED. IF UNCOMFORTABLE SEEK MEDICAL ASSISTANCE.

\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

FLASH POINT F(C): > 380(193) (ASTM D-92)  
FLAMMABLE LIMITS. LEL: .6 UEL: 7.0  
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.  
SPECIAL FIRE FIGHTING PROCEDURES: FOR FIRES IN ENCLOSED AREAS,  
FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE  
NFPA HAZARD ID: HEALTH: 0, FLAMMABILITY: 1, REACTIVITY: 0

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: EXTREME HEAT  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
NUMBER 800-424-8802.  
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT  
TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF  
AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH  
CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
CHARACTERISTICS AT TIME OF DISPOSAL.  
WASTE MANAGEMENT: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED,  
CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED  
INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RESOURCE  
CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS  
SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY OR CAN BE  
DISPOSED OF AT ANY GOVERNMENT APPROVED WASTE DISPOSAL FACILITY.  
USE OF THESE METHODS IS SUBJECT TO USER COMPLIANCE WITH APPLICABLE  
LAWS AND REGULATIONS AND CONSIDERATION OF PRODUCT CHARACTERISTICS  
AT TIME OF DISPOSAL.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.  
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---

ORAL TOXICITY (RATS): NONTOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): NONTOXIC (ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

## ---CHRONIC OR SPECIALIZED (SUMMARY)---

THE BASE OILS IN THIS PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR SEVERELY HYDROTREATED. TWO YEAR MOUSE SKIN PAINTING STUDIES OF SIMILAR OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS. SEVERELY SOLVENT REFINED AND SEVERELY HYDROTREATED MINERAL BASE OILS HAVE BEEN TESTED AT MOBIL ENVIRONMENTAL AND HEALTH SCIENCES LABORATORY BY DERMAL APPLICATION TO RATS 5 DAYS/WEEK FOR 90 DAYS AT DOSES SIGNIFICANTLY HIGHER THAN THOSE EXPECTED DURING NORMAL INDUSTRIAL EXPOSURE. EXTENSIVE EVALUATIONS INCLUDING MICROSCOPIC EXAMINATION OF INTERNAL ORGANS AND CLINICAL CHEMISTRY OF BODY FLUIDS, SHOWED NO ADVERSE EFFECTS.

## \*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*

ALL COMPONENTS REGISTERED IN ACCORDANCE WITH TSCA.

D.O.T. SHIPPING NAME: NOT APPLICABLE

D.O.T. HAZARD CLASS: NOT APPLICABLE

US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.

RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR OPINION, IS NOT SPECIFICALLY LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR, PART 261); DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT FORMULATED WITH THE METALS CITED IN THE EP TOXICITY TEST. HOWEVER, USED PRODUCT MAY BE REGULATED.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.049 PCT)	7440-66-6	15

## --- KEY TO LIST CITATIONS ---

1 = OSHA Z, 2 = ACGIH, 3 = IARC, 4 = NTP, 5 = NCI,  
6 = EPA CARC, 7 = NFPA 49, 8 = NFPA 325M, 9 = DOT HMT, 10 = CA RTK,  
11 = IL RTK, 12 = MA RTK, 13 = MN RTK, 14 = NJ RTK, 15 = MI 293,  
16 = FL RTK, 17 = PA RTK.

--- NTP, IARC, AND OSHA INCLUDE CARCINOGENIC LISTINGS ---

**Mobil**

HYDREX AW 46

623017

ORIGINAL  
(Red)

PAGE 4 OF 4

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INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.  
\*\*\*\*\*

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265  
\*\*\*\*\*

\*\*\*\*\* APPENDIX \*\*\*\*\*  
FOR MOBIL USE ONLY: (FILL NO: MTL3548060) MHC: 0\* 0\* NA 0\* 1\* PPEC:  
A US86-625 APPROVE REVISED: 02/04/87

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN ORIGINAL (Red)

### \*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*

SUPPLIER: MOBIL OIL CORP.  
 CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES  
 USE OR DESCRIPTION: ENGINE OIL

MOBIL DELVAC 1210

HEALTH EMERGENCY TELEPHONE: (212) 883-4411  
 TRANSPORT EMERGENCY TELEPHONE: (800) 424-9300 (CHEMTREC)

### \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 4.5 LIQUID ODOR: MILD PH: NA  
 VISCOSITY AT 100 F, SUS: 195.0 AT 40 C, CS: 41.8  
 VISCOSITY AT 210 F, SUS: 47.5 AT 100 C, CS: 6.6  
 FLASH POINT F(C): >390(199) (ASTM D-92)  
 MELTING POINT F(C): NA POUR POINT F(C): -20(-29)  
 BOILING POINT F(C): > 600(316)  
 RELATIVE DENSITY, 15/4 C: 0.878 SOLUBILITY IN WATER: NEGLIGIBLE  
 VAPOR PRESSURE-MM HG 20C: < .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
 FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

### \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

HAZARDOUS INGREDIENTS:	WT PCT (APPROX)	EXPOSURE LIMITS (MG/M3)	SOURCES (PPM AND NOTES)
NONE			

OTHER INGREDIENTS:  
 REFINED MINERAL OILS >90  
 ADDITIVES AND/OR OTHER INGREDIENTS <10

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA  
 NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

### \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: SLIGHT EYE IRRITATION. SLIGHT SKIN IRRITATION.

### \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.  
 SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.  
 INHALATION: NOT EXPECTED TO BE A PROBLEM.  
 INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2 LITER(PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

ORIGINAL

(Red)

## \*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

FLASH POINT F(C): &gt; 390(199) (ASTM D-92)

FLAMMABLE LIMITS. LEL: .6 UEL: 7.0

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

## \*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*

STABILITY (THERMAL, LIGHT, ETC.): STABLE

CONDITIONS TO AVOID: EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## \*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*

ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE NUMBER 800-424-8802.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT TREATED SANDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

WASTE MANAGEMENT: DISSOLVE WASTE IN A SOLVENT AND DISPOSE BY SUPERVISED INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS.

## \*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*

EYE PROTECTION: NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BE EMPLOYED.

SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

## \*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*

HANDLING: NO SPECIAL PRECAUTIONS REQUIRED.

## \*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*

---ACUTE---

ORAL TOXICITY (RATS): LD50: > 5 G/KG SLIGHTLY TOXIC(ESTIMATED)

---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): LD50: > 2 G/KG SLIGHTLY TOXIC(ESTIMATED)

---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

**ORIGINAL**  
**(Red)**

\*\*\* NO INGREDIENT CITATIONS \*\*\*

1 = OSHA, 2 = ACGIH, 3 = IARC, 4 = NTP, 5 = NCI,  
6 = EPA CARC, 7 = NFPA 49, 8 = NFPA 325M, 9 = DOT HMT, 10 = CA RTK,  
11 = IL RTK, 12 = MA RTK, 13 = MN RTK, 14 = NJ RTK, 15 = NJ SHH,  
16 = FL RTK, 17 = PA RTK.

\*\*\*\*\*  
 PREPARED BY: MOBIL OIL CORPORATION  
 ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
 FOR FURTHER INFORMATION, CONTACT:  
 MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
 3225 GALLOWS ROAD, FAIRFAX, VA 22037 (703) 849-3265

\*\*\*\*\*  
 INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT  
 WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR  
 PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT  
 ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL  
 WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
 MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE  
 USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A  
 RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING  
 LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING  
 PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.  
 \*\*\*\*\*

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

ORIGINAL  
(Red)\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBIL DELVAC 1230

SUPPLIER: MOBIL OIL CORP. HEALTH EMERGENCY TELEPHONE:  
(212) 883-4411  
CHEMICAL NAMES AND SYNONYMS: TRANSPORT EMERGENCY TELEPHONE:  
PET. HYDROCARBONS AND ADDITIVES (800) 424-9300 (CHEMTREC)  
USE OR DESCRIPTION:  
AUTOMOTIVE ENGINE OIL

## \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 5.5 LIQUID ODOR: MILD PH: NA  
VISCOSITY AT 100 F, SUS: 508.0 AT 40 C, CS: 110.0  
VISCOSITY AT 210 F, SUS: 67.0 AT 100 C, CS: 12.0  
FLASH POINT F(C): >430(221) (ASTM D-92)  
MELTING POINT F(C): NA POUR POINT F(C): 0(-18)  
BOILING POINT F(C): > 600(316)  
RELATIVE DENSITY, 15/4 C: 0.895 SOLUBILITY IN WATER: NEGLIGIBLE  
VAPOR PRESSURE-MM HG 20C: < .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

## \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT (APPROX)	EXPOSURE LIMITS MG/M3	SOURCES PPM (AND NOTES)
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HAZARDOUS INGREDIENTS:  
NONE

OTHER INGREDIENTS:  
REFINED MINERAL OILS >90  
ADDITIVES AND/OR OTHER INGREDIENTS. <10

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA  
NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

## \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: SLIGHT EYE IRRITATION. SLIGHT SKIN  
IRRITATION.

## \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.  
SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.  
INHALATION: NOT EXPECTED TO BE A PROBLEM.  
INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2  
LITER(PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND  
CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER  
FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH  
TO AN UNCONSCIOUS PERSON.



\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*  
FLASH POINT F(C): > 430(221) (ASTM D-92)  
FLAMMABLE LIMITS. LEL: .6 UEL: 7.0  
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.  
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED  
BREATHING APPARATUS.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: EXTREME HEAT  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
NUMBER 800-424-8802.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT  
TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF  
AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH  
CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
CHARACTERISTICS AT TIME OF DISPOSAL.

WASTE MANAGEMENT: DISSOLVE WASTE IN A SOLVENT AND DISPOSE BY SUPERVISED  
INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
EYE PROTECTION: NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BE  
EMPLOYED.  
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
HANDLING: NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---

ORAL TOXICITY (RATS): SLIGHTLY TOXIC(ESTIMATED) ---BASED ON TESTING OF  
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): SLIGHTLY TOXIC(ESTIMATED) ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
THIS PRODUCT.

EYE IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR  
REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR  
THE COMPONENTS.

ORIGINAL

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*  
TSCA INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
EINECS INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
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\*\*\* NO INGREDIENT CITATIONS \*\*\*

## --- KEY TO LIST CITATIONS ---

1 = OSHA,	2 = ACGIH,	3 = IARC,	4 = NTP,	5 = NCI,
6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = NJ SHH,
16 = FL RTK,	17 = PA RTK,			

\*\*\*\*\*  
FOR MOBIL USE ONLY: (FILL NO: MTN545C154) MHC: 1\* 1\* NA 1\* 1\* PPEC:  
US83-333 APPROVE REVISED: 12/15/83

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265

\*\*\*\*\*  
INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

ORIGINAL  
(Red)\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBIL OTE 25

SUPPLIER: MOBIL OIL CORP. HEALTH EMERGENCY TELEPHONE:  
(212) 883-4411  
CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES TRANSPORT EMERGENCY TELEPHONE:  
(800) 424-9300 (CHEMTREC)  
USE OR DESCRIPTION: HYDRAULIC OIL

## \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 4.0 LIQUID ODOR: MILD PH: NA  
VISCOSITY AT 100 F, SUS: 220.0 AT 40 C, CS: 42.0  
VISCOSITY AT 210 F, SUS: 47.0 AT 100 C, CS: 6.2  
FLASH POINT F(C): 395(232) (ASTM D-92)  
MELTING POINT F(C): NA POUR POINT F(C): -5(-21)  
BOILING POINT F(C): > 600(316)  
RELATIVE DENSITY, 15/4 C: 0.868 SOLUBILITY IN WATER: NEGLIGIBLE  
VAPOR PRESSURE-MM HG 20C: < .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

## \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT	EXPOSURE LIMITS	SOURCES	
(APPROX)	MG/M3	PPM	(AND NOTES)

HAZARDOUS INGREDIENTS:  
NONE

OTHER INGREDIENTS:  
REFINED MINERAL OILS >95  
ADDITIVES AND/OR OTHER INGREDIENTS < 5

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA  
NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

## \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: NOT EXPECTED TO BE A PROBLEM.

## \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.  
SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.  
INHALATION: NOT EXPECTED TO BE A PROBLEM.  
INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2 LITER(PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*  
FLASH POINT F(C): 395(202) (ASTM D-92)  
FLAMMABLE LIMITS. LEL: .6 UEL: 7.0  
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.  
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE RECOMMENDED  
PROTECTIVE EQUIPMENT.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: STRONG OXIDATION  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING  
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE  
NUMBER 800-424-8802.  
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT  
TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF  
AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH  
CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT  
CHARACTERISTICS AT TIME OF DISPOSAL.  
WASTE MANAGEMENT: DISSOLVE WASTE IN A SOLVENT AND DISPOSE BY SUPERVISED  
INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS.

\*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*  
EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.  
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL  
HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY  
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
HANDLING: NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---


ORAL TOXICITY (RATS): LD50: > 5 G/KG 0/10 RATS DIED AT THIS DOSAGE  
LEVEL. SLIGHTLY TOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR  
PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): LD50: > 2 G/KG 0/10 RABBITS DIED AT THIS  
DOSAGE LEVEL. SLIGHTLY TOXIC(ESTIMATED) ---BASED ON TESTING OF  
SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
THIS PRODUCT.

EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*  
TSCA INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED. ORIGINAL  
EINECS INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED. (Red)  
THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW: 

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
*** NO INGREDIENT CITATIONS ***		

--- KEY TO LIST CITATIONS ---

1 = OSHA,	2 = ACGIH,	3 = IARC,	4 = NTP,	5 = NCI,
6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = NJ SHH,
16 = FL RTK,	17 = PA RTK,			

\*\*\*\*\*  
FOR MOBIL USE ONLY: (FILL NO: RL100328201) MHC: 1\* 1\* NA 0\* 0\* PPEC:  
US83-044 APPROVE REVISED: 08/25/83

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265

\*\*\*\*\*  
INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT  
WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR  
PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT  
ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL  
WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE  
USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A  
RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING  
LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING  
PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

## MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

ORIGINAL  
(Red)\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBIL DTE 26

## SUPPLIER:

MOBIL OIL CORP.

## HEALTH EMERGENCY TELEPHONE:

(212) 883-4411

## CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

## TRANSPORT EMERGENCY TELEPHONE:

(800) 424-9300 (CHEMTREC)

## USE OR DESCRIPTION:

HYDRAULIC OIL

## \*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 4.0 LIQUID

ODOR: MILD

PH: NA

VISCOSITY AT 100 F, SUS: 335.0 AT 40 C, CS: 65.0

VISCOSITY AT 210 F, SUS: 52.7 AT 100 C, CS: 8.0

FLASH POINT F(C): 400(234) (ASTM D-92)

MELTING POINT F(C): NA

POUR POINT F(C): -5(-21)

BOILING POINT F(C): &gt; 600(316)

RELATIVE DENSITY, 15/4 C: 0.87

SOLUBILITY IN WATER: NEGLIGIBLE

VAPOR PRESSURE-MM HG 20C: &lt; .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

## \*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

WT PCT (APPROX)	EXPOSURE LIMITS MG/M3	SOURCES PPM (AND NOTES)
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## HAZARDOUS INGREDIENTS:

NONE

## OTHER INGREDIENTS:

REFINED MINERAL OILS &gt;95

ADDITIVES AND/OR OTHER INGREDIENTS &lt; 5

KEY TO SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA

NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

## \*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

EFFECTS OF OVEREXPOSURE: NOT EXPECTED TO BE A PROBLEM.

## \*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

EYE CONTACT: FLUSH WITH WATER.

SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.

INHALATION: NOT EXPECTED TO BE A PROBLEM.

INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2 LITER(PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*  
FLASH POINT F(C): 400(204) (ASTM D-92)  
FLAMMABLE LIMITS. LEL: .6 UEL: 7.0  
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.  
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE RECOMMENDED  
PROTECTIVE EQUIPMENT.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

\*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*  
STABILITY (THERMAL, LIGHT, ETC.): STABLE  
CONDITIONS TO AVOID: EXTREME HEAT  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*  
ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE  
AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE  
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CHARACTERISTICS AT TIME OF DISPOSAL.  
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INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS.

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HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.  
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CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.  
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE  
AND WITH ADEQUATE VENTILATION.

\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*  
HANDLING: NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*  
---ACUTE---  
ORAL TOXICITY (RATS): LD50: > 5 G/KG 0/10 RATS DIED AT THIS DOSAGE  
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PRODUCTS AND/OR THE COMPONENTS.  
DERMAL TOXICITY (RABBITS): LD50: > 2 G/KG 0/10 RABBITS DIED AT THIS  
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EINECS INVENTORY STATUS: ALL COMPONENTS ARE REGISTERED.  
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CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
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6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = NJ SHH,
16 = FL RTK,	17 = PA RTK,			

\*\*\*\*\*  
FOR MOBIL USE ONLY: (FILL NO: RL10032C201) MHC: 1\* 1\* NA 0\* 0\* PPEC:  
US83-010 APPROVE REVISED: 03/16/83

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION  
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:  
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWS ROAD, FAIRFAX, VA 22037 (703) 849-3265

\*\*\*\*\*  
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Reit Lubricants